

In the specification:

Please add the following paragraph as the first paragraph, page 1, line 2 beneath the title and above the “Background” heading:

The present patent document is a divisional of Application Serial No. 10/033,585, filed November 2, 2001, which is hereby incorporated by reference.

Please replace the paragraph at page 12, lines 13-18 with the paragraph below:

Two possible embodiments are shown in Figure 4 for the paths of two or more sensors 510 to the detector 504. In one embodiment, each path includes separate components except for the microprocessor 502 (as represented by the path labeled S-individual sensor). In an alternative embodiment, each path also shares the oscillating circuit 506 and the detector 504. Alternatively, a combination of shared paths and individual paths, as shown, is used. circuits